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PATENT
Customer Number: 22,852
Attorney Docket No. 7414.0022-00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Greenfield) Group Art Unit: 1645
)
Application No.: 09/724,613) Examiner: Not Yet Assigned
)
Filed: November 28, 2000)
)
For: COMPOSITIONS, METHODS, AND)
KITS FOR ISOLATING NUCLEIC)
ACIDS USING SURFACTANTS AND)
PROTEASES)

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached Form PTO 1449. This Information Disclosure Statement is being filed, to the undersigned's knowledge, before the mailing date of a first Office Action on the merits for the above-referenced application.

Copies of the listed documents are attached.

Applicant respectfully requests that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the

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documents as prior art against any claim in the application and Applicant determines that the cited documents do not constitute "prior art" under United States law, Applicant reserves the right to present to the office the relevant facts and law regarding the appropriate status of such documents.


Applicant further reserves the right to take appropriate action to establish the patentability of the claimed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: November 20, 2001

By: 
Robert W. Mann
Reg. No. 48,555

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INFORMATION DISCLOSURE CITATION

OMB No. 0651-0011

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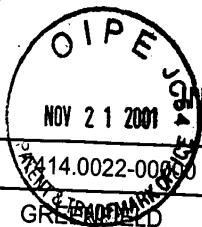
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Atty. Docket No.	7414.0022-00000	Serial No.	09/724,613
Applicant	GREENFIELD		
Filing Date	November 28, 2000	Group:	1645

U.S. PATENT DOCUMENTS						
Examiner Initials	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	4,481,294	Nov 6, 1984	J. Downs			
	5,010,183	Apr 23, 1991	D. Macfarlane			
	5,300,635	Apr 5, 1994	D. Macfarlane			
	5,596,092	Jan 21, 1997	C. Schneider			
	5,728,822	Mar 17, 1998	D. Macfarlane			

FOREIGN PATENT DOCUMENTS						
Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No	
WO 98/20164	May 14, 1998	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Chapdelaine, P. et al., "A One-Hour Procedure for the Preparation of Genomic DNA from Frozen Tissues," <i>BioTechniques</i> , 14(2):163-164, 1993.
	Colosi, J. C. et al., "Tissue Grinding with Ball Bearings and Vortex Mixer for DNA Extraction," <i>Nucleic Acid Research</i> , 21(4):1051-1052, 1993.
	Dry, P.J., "A Quick and Easy Method for the Purification of DNA From Chorionic Villus Samples," <i>Nucleic Acids Research</i> , 16(15):7730, 1988.
	Fisher, J. A., "Activity of Proteinase K and RNase in Guanidinium Thiocyanate," <i>Techniques in Molecular Biology and Cloning</i> , Abstract 4823, FASEB Journal, 1988.
	Goldenberger, D. et al., "A Simple 'Universal' DNA Extraction Procedure Using SDS and Proteinase K is Compatible with Direct PCR Amplification," <i>PCR Methods and Applications</i> , 4:368-370, 1995.
	Lai, C.-C. et al., "Improved Proteinase K Digestion for the Rapid Isolation of mRNA from Mammalian Tissues," <i>BioTechniques</i> , 15(4):620-624, 1993.
	Laird, P. W. et al., "Simplified Mammalian DNA Isolation Procedure," <i>Nucleic Acids Research</i> , 19(15):4293, 1991.
	Macfarlane, D. E. et al., "Isolating RNA from Clinical Samples With Catrimox-14 and Lithium Chloride," <i>Journal of Clinical Laboratory Analysis</i> , 11:132-139, 1997.



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	Macfarlane, D. E. et al., "Isolating RNA from Whole Blood - The Dawn of RNA-Based Diagnosis," <i>Nature</i> , 362:186-188, 1993.
	Wilson, K., "Preparation of Genomic DNA from Bacteria" in <i>Current Protocols in Molecular Biology</i> , Volume 1, F.M. Ausbel et al. (Eds.), John Wiley & Sons, Inc., NY, pp. 2.4.1-2.4.5, 1994.
	Richards, E., "Preparation of Genomic DNA from Plant Tissue" in <i>Current Protocols in Molecular Biology</i> , Volume 1, F.M. Ausbel et al. (Eds.), John Wiley & Sons, Inc., NY, pp. 2.3.3-2.3.7, 1994.
	Rauber, N. R. K. et al., "Ribonuclease A Digestion by Proteinase K," <i>Z. Naturforsch.</i> , 33 c:660-663, 1978.
	Seibert, G. et al., "The Separation of High and Low Molecular Weight RNA by Precipitation with N-Cetyl-N,N,N-trimethylammoniumbromide," <i>Z. Naturforsch Sect. C. Biosci.</i> , 32(3-4):294-296, 1977.
	Wiegers, U. et al., "A New Method Using 'Proteinase K' to Prevent mRNA Degradation During Isolation from HeLa Cells," <i>Biochemical and Biophysical Research Communications</i> , 44(2):513-519, (1971).

Examiner	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
Form PTO 1449	
Patent and Trademark Office - U.S. Department of Commerce	